

Message Text

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EXDIS

E.O. 11652:XGDS - 3 IMPOSSIBLE TO DETERMINE

TAGS: UR, US, PARM, OEXD

SUBJECT: TTBT-PNE NEGOTIATIONS

REF: MOSCOW 15145

1. AS REQUESTED IN PARA EIGHT OF REFTTEL, THERE FOLLOWS
FYI, REPEAT FYI THE TEXTS OF THE PRIVATE AND PUBLIC AGREED
US-USSR STATEMENTS IN CONNECTION WITH THE 1971 BILATERAL
TECHNICAL DISCUSSIONS ON PNES:

2. CONFIDENTIAL
NOT FOR PUBLICATION
TITLE: US-USSR TECHNICAL TALKS ON PEACEFUL NUCLEAR EXPLOSIONS

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JULY 12-23 1971

BEGIN TEXT:

A. TECHNICAL EXPERTS OF THE UNITED STATES AND THE UNION OF THE SOVIET SOCIALIST REPUBLICS HELD TECHNICAL DISCUSSIONS IN WASHINGTON, D.C. JULY 12-23, 1971 ON PEACEFUL NUCLEAR EXPLOSIONS (PNE). IT IS STRESSED THAT THE CONCLUSIONS DISCUSSED BELOW, WHICH WERE ARRIVED AT BY TECHNICAL EXPERTS OF EACH COUNTRY, ARE OF A LIMITED TECHNICAL NATURE. THEY DO NOT REPRESENT IN ANY SENSE AN AGREEMENT ON THE PART OF EITHER GOVERNMENT ON WHAT WOULD CONSTITUTE PERMISSIBLE APPLICATIONS OF PEACEFUL NUCLEAR EXPLOSIONS.

B. THE EXCHANGE OF VIEWS WAS AIMED AT DEVELOPING A TECHNICAL UNDERSTANDING OF LONG-RANGE DISTRIBUTION OF RADIOACTIVE PRODUCTS AND AT FINDING A TECHNICAL BASIS FOR EVALUATING THE CONCENTRATIONS OF RADIOACTIVITY RELEASED TO THE ENVIRONMENT WHICH MIGHT RESULT FROM THE CONDUCT OF PEACEFUL NUCLEAR EXPLOSIONS.

C. THE TECHNICAL EXPERTS GAVE DUE CONSIDERATION TO THE CONCLUSIONS REACHED DURING THE DISCUSSION OF THIS PROBLEM AT THE PREVIOUS TALKS (MOSCOW, FEBRUARY 12-17, 1970). ON THE BASIS OF ADDITIONAL MEASUREMENTS AND TECHNICAL ANALYSIS AND TAKING INTO ACCOUNT ESTIMATES OF THE LONG-DISTANCE DILUTION AND DIFFUSION OF RADIOACTIVE PRODUCTS OF THE EXPLOSIONS, THE SOVIET TECHNICAL EXPERTS REPORTED ON AN ANALYSIS WHICH INDICATED THAT WITHIN THE CONTEXT OF THE TECHNICAL MATTERS UNDER CONSIDERATION A NUMBER OF NUCLEAR EXCAVATION APPLICATIONS COULD BE DESIGNED WHEREBY, IN PARTICULAR, THE FOLLOWING CONDITIONS WOULD BE OBSERVED:

1. THE ANNUAL ADDITION OF ISOTOPES OF STRONTIUM 90 AND CESIUM 137 AS A RESULT OF PEACEFUL NUCLEAR EXPLOSIONS AT ANY POINT IN COUNTRIES OTHER THAN THE COUNTRY WHERE THE EXPLOSIONS ARE BEING CONDUCTED, WOULD BE LESS THAN THE AMOUNT OF THE ANNUAL DECREASE IN THE AVERAGE LEVEL OF THESE ISOTOPES RESULTING FROM THEIR RADIOACTIVE DISINTEGRATION IN THE NORTHERN HEMISPHERE (20-70 DEGREES NORTH LATITUDE).

2. THE EXTERNAL AND INTERNAL RADIATION EXPOSURE TO THE POPULATION IN COUNTRIES OTHER THAN THE COUNTRY IN WHICH

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THE EXPLOSIONS WERE BEING CONDUCTED WOULD NOT EXCEED 10 PER CENT OF THE DOSE RECOMMENDED BY THE INTERNATIONAL COMMISSION ON RADIOLOGICAL PROTECTION (ICRP) AS THE DOSE LIMIT FOR THE POPULATION.

D. THE U.S. EXPERTS, ON THE BASIS OF AN ANALYSIS INDEPENDENTLY CONDUCTED BY THEM, RECOGNIZED THE TECHNICAL VALIDITY OF THESE ESTIMATES.

E. THE TECHNICAL EXPERTS HAVE EXPRESSED AN INTEREST IN FURTHER EXCHANGE OF TECHNICAL INFORMATION AS FRESH DATA ARE OBTAINED FROM ADDITIONAL INVESTIGATIONS.

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3. UNCLASSIFIED

PRESS RELEASE

COMMUNIQUE ON THE THIRD STAGE OF THE SOVIET-UNITED STATES TECHNICAL TALKS ON PEACEFUL NUCLEAR EXPLOSIONS

BEGIN TEXT

A. IN THE PERIOD OF 12-23 JULY, 1971, SOVIET-AMERICAN TECHNICAL TALKS ON PEACEFUL NUCLEAR EXPLOSIONS WERE HELD IN WASHINGTON, D.C. THESE TALKS WERE A CONTINUATION OF THE TECHNICAL TALKS ON THE SAME SUBJECT HELD IN APRIL, 1969, IN VIENNA AND IN FEBRUARY 1970, IN MOSCOW.

B. THE U.S.S.R. DELEGATION AT THE TALKS WAS HEADED BY I. D. MOROKHOV, FIRST DEPUTY CHAIRMAN, STATE COMMITTEE FOR THE UTILIZATION OF ATOMIC ENERGY OF THE U.S.S.R. AND THE U.S. DELEGATION WAS LED BY CLARENCE E. LARSON, COMMISSIONER, THE U.S. ATOMIC ENERGY COMMISSION.

C. DURING THE TALKS THE PARTIES CONTINUED THE DISCUSSION OF PROBLEMS RELATING TO TECHNICAL AND THEORETICAL ASPECTS OF APPLICATIONS OF PEACEFUL NUCLEAR EXPLOSIONS AND HAVE EXCHANGED SCIENTIFIC AND TECHNICAL INFORMATION OF MUTUAL INTEREST.

D. PARTICULAR ATTENTION WAS DEVOTED TO CONSIDERATION OF THE PROBLEMS OF ENSURING SAFETY IN THE CONDUCT OF UNDER-CONFIDENTIAL

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GROUND PEACEFUL NUCLEAR EXPLOSIONS.

E. THE EXCHANGE OF VIEWS THAT TOOK PLACE HAS EXTENDED MUTUAL UNDERSTANDING OF THE PROBLEMS ASSOCIATED WITH THE USES OF PEACEFUL NUCLEAR EXPLOSIONS, AND WILL FACILITATE MORE SUCCESSFUL WORK IN THIS FIELD OF ATOMIC ENERGY USES.

F. THE PARTIES HAVE COME TO THE CONCLUSION TO CONTINUE TECHNICAL EXCHANGES IN THE FUTURE, CONCENTRATING ON THE SAFETY PROBLEMS RELATED TO CARRYING OUT PEACEFUL NUCLEAR EXPLOSIONS AND ON SEPARATE ENGINEERING PROJECTS INVOLVING PEACEFUL NUCLEAR EXPLOSIONS.

G. BOTH DELEGATIONS HAVE NOTED WITH SATISFACTION THE POSITIVE ROLE WHICH IS BEING PLAYED BY THE IAEA IN THE

STUDY OF SCIENTIFIC AND TECHNICAL ASPECTS OF THE USES OF
PEACEFUL NUCLEAR EXPLOSIONS AND EXPRESSED THEIR WILLING-
NESS TO FACILITATE THE DEVELOPMENT OF THESE ACTIVITIES
WITHIN THE FRAMEWORK OF THE AGENCY.

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